GE
Lighting

office

from drab to fab!

USG & GE Lighting team up to redefine ceiling lighting design

Integrated system looks amazing and saves on energy and maintenance

THE SITUATION

USG and GE Lighting are redefining ceiling design with an integrated ceiling and LED lighting system designed to work together. A team of professional planners and installers converged at USG's offices in Westlake, Ohio, to transform an outdated conference room into a vibrant and inspired workspace in just weeks. The project was launched to demonstrate to designers, architects and specifiers how simple it is to construct stylish new office, retail, hotel and restaurant ceiling lighting systems using products from USG and GE that were designed together to work together.

THE SOLUTION

GE's Lumination™ BL Series LED Luminaires, together with USG's Logix™ Integrated Ceiling System, were the answer for ease of install, energy and maintenance savings, and, above all, an extraordinary look. The innovative ceiling system combines USG's Logix acoustical tiles with GE's Lumination LED linear recessed luminaires, uniting aesthetics and performance by transforming the ceiling plane into a design element, without the constraints of traditional ceilings. GE's LED lighting further cuts energy and maintenance costs, while providing flexibility and freedom to create imaginative environments.

USG replaced 25 2'x2' U-lamp fluorescent fixtures in its Westlake conference room with 4' Lumination BL Series LED fixtures arranged in four rows measuring 20 feet across. Energy use decreased from 92 watts per fluorescent fixture (2,300 total watts) to 36 watts per LED fixture (720 total watts; 9 watts per foot of Lumination BL Series fixtures). At a $.10 kWh rate and 40 hours a week (2,080 annual operating hours), this will save USG $328 a year in lighting energy costs (old system cost = $478/year; new system cost = $150/year).

"This project proves that when a ceiling vendor and a lighting vendor are as tightly coordinated as GE and USG, the customer can count on a combined system that works perfectly together to deliver the best fit and finish."
- Jason Brown, PE, CEM, LC—GE Lighting

For more information, visit **gelighting.com/office**.

- 56-watt per fixture improvement (fluorescent = 92 watts/fixture; LED = 36 watts/fixture)
- 20% reduction in fixture count using LED vs. fluorescent
- $328 lighting energy cost savings/year using LED vs. fluorescent

- 50 fewer U-shape fluorescent lamps to replace and dispose of each year

imagination at work

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